

Product Data Sheet

Product Name: Aspochracin

Cat. No.: GC42862

Chemical Properties

Cas. No. 22029-09-0

SMILES O=C(NCCCC[C@H](NC(/C=C/C=C/C=C/C)=O)C(N(C)[C@H]1C(C)C)=O)[C@H](C)N(C)C1=O

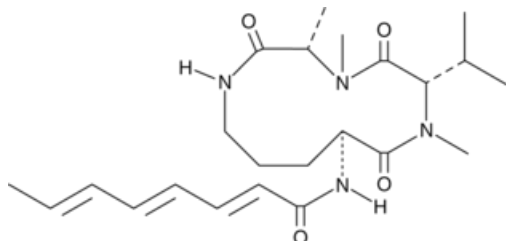
Formula C₂₃H₃₆N₄O₄ M.Wt 432.6

Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Aspochracin is a cyclic tripeptide originally isolated from the pathogenic fungus *A. ochraceus*, which infects insects. Aspochracin is toxic to fall webworms (LD₅₀ = 100 µg/g) and to silkworms. Unlike other aspochracin-type cyclic tripeptides, it has no antifungal activity against *C. albicans* and does not have antimicrobial activity up to a concentration of 0.1 mg/ml.

Caution: Product has not been fully validated for medical applications. For research use only.

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